

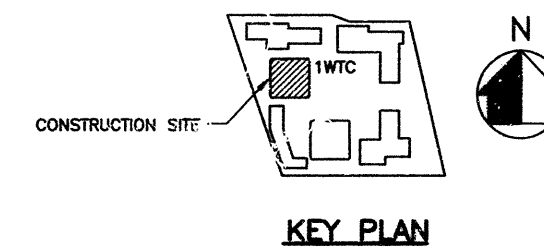
FILE NAME: Y:\WTC-861.176\176E-103-4RD.dwg plotted on 7/22/1999 by HALIMARIO

NOTES

1. FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES, SEE DWG. E-1. FOR INSTALLATION DETAILS, SEE DWG. E-2. FOR WIRING DIAGRAMS, SEE DWG. E-3.
2. REPLACE EXISTING STROBE WITH THE SHOWN CANDELA RATED STROBE, AND REWIRE AS SHOWN. EXISTING BACKBOX AND CONDUIT STUB CAN BE UTILIZED IF IT IS SIMILAR TO THE TYPICAL STROBE OR COMBINATION BOX. SEE INSTALLATION DETAIL "B" ON DWG. E-2.
3. ONLY AFTER INSTALLED STROBES ARE TESTED AND OPERATIONAL, SHALL CONTRACTOR REMOVE EXISTING STROBE IN THE PRESENCE OF THE ENGINEER. PATCH WALL TO MATCH EXISTING WALL FINISH.
4. SINCE FIRE ALARM CIRCUIT LENGTH IS CRITICAL, ROUTING AND INSTALLATION OF ALL FIRE ALARM CIRCUITS SHALL BE AS SHOWN ON DRAWING.
5. DISCONNECT AND ABANDON EXISTING STROBE CIRCUITS IN CEILING. TAPE ENDS OF ABANDONED CONDUCTORS AND TAG AS ABANDONED. THIS WORK SHALL BE DONE IN THE PRESENCE OF THE ENGINEER.

STROBE CIRCUIT/LOADING TABLE

| STROBE TYPE AND RATING | TYPE | 15cd | 30cd | 75cd | 110cd | CURRENT PER CIRCUIT (AMPS.) | CIRCUIT LENGTH (Ft.) |
|---|----------------------|-------|-------|-------|-------|-----------------------------|----------------------|
| | CURRENT IN AMP'S (A) | 0.063 | 0.100 | 0.165 | 0.209 | | |
| QUANTITY OF STROBES PER CIRCUIT | STR-A | 5 | 1 | 1 | 0 | 0.580 | 309 |
| | STR-B | 8 | 0 | 1 | 1 | 0.878 | 416 |
| | STR-C | 5 | 2 | 1 | 0 | 0.680 | 259 |
| | STR-D | 8 | 0 | 2 | 0 | 0.834 | 282 |
| | STR-E | 4 | 5 | 1 | 0 | 0.917 | 376 |
| | STR-F | 7 | 0 | 3 | 0 | 0.936 | 363 |
| GRAND TOTAL | | | | | | 4.825 | 2005 |



Sheet 55 of 75

WORLD TRADE CENTER

ENGINEERING PROGRAM MANAGER
WORLD TRADE CENTER
CHIEF ELECTRICAL ENGINEER

1 8/23/99 AS-BID
No. Date Revision Approved

ENGINEERING DEPARTMENT
DESIGN DIVISION

WORLD
TRADE
CENTER

ELECTRICAL

Title
FIRE ALARM SYSTEM
DEVICE UPGRADE
PHASE III
1 WORLD TRADE CENTER
CONTRACT NO. 3

103rd FLOOR
STROBE
INSTALLATION AND
REMOVAL PLAN

This drawing subject to conditions in Contract. All inventions, ideas, designs and methods herein are reserved to Port Authority and may not be used without its written consent.

S. FELDSTEIN R. DUKESHIRE
Designed by Drawn by Checked by

AUGUST 9, 1999
Date

WTC-861.176 E-103-4
Contract Number Drawing Number